









## EROSION AND SEDIMENT CONTROL NARRATIVE GENERAL EROSION AND SEDIMENT CONTROL NOTES MINIMUM STANDARDS VESCH TEMPORARY SEEDING NOTES NOTE: ALL REFERENCES ARE MADE TO THE STANDARDS AND SPECIFICATIONS OF THE 1992 VIRGINIA UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND PROJECT DESCRIPTION: THE PROPOSED FACILITIES WILL CONSIST OF ONE (I) 20'-0" LONG x 10'-0" WIDE CONCRETE EROSION AND CONTROL HANDBOOK. SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED AND MAINTAINED ACCORDING TO I. TEMPORARY SEEDING SHALL BE APPLIED TO EXPOSED SOIL SURFACES THAT ARE NOT TO BE FINE EQUIPMENT PAD AND A 150' TALL MONOPOLE WITHIN A 2460 SF FENCED COMPOUND. ANTENNAS SHALL BE MOUNTED ON THE GRADED FOR PERIODS LONGER THAN 14 DAYS. PERMANENT VEGETATIVE COVER SHALL BE MINIMUM STANDARDS AND SPECIFICATIONS OF THE VIRGINIA EROSION AND SEDIMENT PROPOSED MONOPOLE FOR THE RECEPTION OF T-MOBILE WIRELESS TELECOMMUNICATIONS. LIMITS OF DISTURBANCE IS 4471 APPLIED TO AREAS THAT WILL BE LEFT DORMANT FOR A PERIOD OF MORE THAN I YEAR. CONTROL HANDBOOK AND VIRGINIA REGULATIONS 9VAC25-840 EROSION AND SEDIMENT - PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DENUDED AREAS WITHIN CONTROL REGULATIONS. 2. PLANTS SHALL BE SELECTED ACCORDING TO SEASON AND SITE CONDITIONS PER VESCH TABLES SEVEN DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. THE PLAN APPROVING AUTHORITY MUST BE NOTIFIED ONE WEEK PRIOR TO 3.31-B AND 3.31-C. EXISTING SITE CONDITIONS: THE SITE IS LOCATED OFF OF COAL LANDING ROAD. THE SUBJECT PROPERTY CONSISTS OF WASTEMATER TREATMENT PLANT AND BUS FUELING STATION. - TEMPORARY SOIL STABILIZATION SHALL BE APPLIED WITHIN SEVEN DAYS TO DENUDED AREAS THAT PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND 3. AN EVALUATION SHOULD BE CONDUCTED TO DETERMINE IF LIME IS NECESSARY FOR TEMPORARY MAY NOT BE AT FINAL GRADE BUT WILL REMAIN DORMANT FOR LONGER THAN 30 DAYS BUT LESS DISTURBING ACTIVITY, AND ONE WEEK PRIOR TO THE FINAL INSPECTION. SEEDING. SHOULD LIME BE REQUIRED, LIME SPECIFICATIONS SHALL BE PER VESCH TABLE 3.31-A THAN ONE YEAR. ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO OR AS 4. FERTILIZER SHALL BE APPLIED AS 600 LBS./ACRE OF 10-20-10 (14 LBS. 1,000 SF) OR ADJACENT AREAS: THE SITE IS SURROUNDED BY THE AQUIA RUN WASTEWATER TREATMENT PLANT, COAL LANDING ROAD, AND - PERMANENT STABILIZATION SHALL BE APPLIED TO AREAS THAT ARE TO BE LEFT DORMANT FOR THE FIRST STEP IN CLEARING. EQUIVALENT NUTRIENTS. LIME AND FERTILIZER SHALL BE INCORPORATED INTO THE TOP 2 TO 4 FORESTED AREAS. OFFICE: (703) 620-2555 A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MORE THAN ONE YEAR. INCHES OF THE SOIL IF POSSIBLE. MAINTAINED ON THE SITE AT ALL TIMES. 5. IF AN AREA HAS BEEN RECENTLY LOOSENED OR DISTURBED, NO FURTHER SURFACE ROUGHENING SOILS: SOIL TYPES AND MAPPING ARE TAKEN FROM THE STAFFORD COUNTY GIS. SOIL STOCKPILE STABILIZATION DURING CONSTRUCTION, SOIL STOCKPILES AND BORROW AREAS SHALL BE STABILIZED OR PROTECTED PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED IS REQUIRED PRIOR TO PLANTING. WHEN THE AREA IS COMPACTED, CRUSTED OR HARDENED, THE I. THE SOLE SOIL IN THE CONSTRUCTION AREA IS SA - SAND AND GRAVEL PITS. ON THESE PLANS (INCLUDING, BUT NOT LIMITED TO, OFF-SITE BORROW OR WASTE AREAS), THE SOIL SURFACE SHALL BE LOOSENED BY DISCING, RAKING, HARROWING, OR OTHER ACCEPTABLE CONTRACTOR SHALL SUBMIT A SUPPLEMENTARY EROSION CONTROL PLAN TO THE OWNER WITH SEDIMENT TRAPPING MEASURES, TEMPORARY PROTECTION AND PERMANENT STABILIZATION SHALL CRITICAL AREAS: THERE ARE STEEP SLOPES ADJACENT TO THE SITE. BE APPLIED TO ALL SOIL STOCKPILES ON SITE AND BORROW AREA OR SOIL INTENTIONALLY FOR REVIEW AND APPROVAL BY THE PLAN APPROVING AUTHORITY. 6. SEED SHALL BE EVENLY APPLIED WITH A BROADCAST SEEDER, DRILL, CULTIPACKER SEEDER OR HYDROSEEDER. SMALL GRAINS SHALL BE PLANTED NO MORE THAN 1.5 INCHES DEEP. SMALL THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION E&S CONTROL MEASURES: CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS SEEDS, SUCH AS KENTUCKY BLUEGRASS, SHOULD BE PLANTED NO MORE THAN 1/4 INCH DEEP. THE FOLLOWING CONTROLS SHALL BE INSTALLED, FOR THIS PROJECT ONLY, IN ACCORDANCE WITH VIRGINIA ESC HANDBOOK: PERMANENT STABILIZATION PERMANENT VEGETATIVE COVER SHALL BE ESTABLISHED ON DENUDED AREAS NOT OTHERWISE OF THE TON CHALL NOT BE CONSIDERED STABILIZED DETERMINED BY THE PLAN APPROVING AUTHORITY. OTHER GRASSES AND LEGUMES SHOULD BE PLANTED FROM 1/4 INCH TO 1/2 INCH DEEP. I. SILT FENCE (3.05) - PROVIDES A PROTECTIVE BARRIER TRAPPING SILT AND KEEPING IT ONSITE WHILE ALLOWING WATER 7. SEEDINGS MADE IN FALL FOR WINTER COVER AND DURING HOT AND DRY SUMMER MONTHS SHALL ALL DISTURBED AREAS ARE TO DRAIN TO APPROVED SEDIMENT CONTROL MEASURES TO DRAIN THROUGH THE SILT FENCE. PERMANENTLY STABILIZED. PERMANENT VEGETATION SHALL NOT BE CONSIDERED STABILIZED UNTIL AT ALL TIMES DURING LAND DISTURBING ACTIVITIES AND DURING SITE DEVELOPMENT UNTIL BE MULCHED ACCORDING TO "MULCHING", VESCH STD. AND SPEC. 3.35, EXCEPT THAT GROUND COVER IS ACHIEVED THAT IS: FINAL STABILIZATION IS ACHIEVED. HYDROMULCHES (FIBER MULCH) WILL NOT BE CONSIDERED ADEQUATE. STRAW MULCH SHOULD BE THE EROSION AND SEDIMENT CONTROL INSPECTOR HAS THE AUTHORITY TO ADD OR DELETE E \$ S CONTROLS AS NECESSARY DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO AN APPROVED USED DURING THESE PERIODS. TEMPORARY SEEDINGS MADE UNDER FAVORABLE SOIL AND SITE IN THE FIELD AS SITE CONDITIONS CHANGE. - MATURE ENOUGH TO SURVIVE FILTERING DEVICE. CONDITIONS DURING OPTIMUM SPRING AND FALL SEEDING DATES MAY NOT REQUIRE MULCH. - WILL INHIBIT EROSION THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICALLY $\delta$ . AREAS WHICH FAIL TO ESTABLISH VEGETATIVE COVER ADEQUATE TO PREVENT EROSION WILL BE MANAGEMENT STRATEGIES: SILT FENCE WILL BE PLACED ON ALL SIDES OF THE PROPOSED DISTURBED LAND, AS INDICATED AND AFTER EACH RUNOFF-PRODUCING RAINFALL EVENT. ANY NECESSARY REPAIRS OR ON THE PLANS. ALL CONTROLS SHALL REMAIN IN PLACE AND BE INSPECTED AND MAINTAINED DAILY UNTIL THE CONTRACTOR RESEEDED AS SOON AS SUCH AREAS ARE IDENTIFIED. RECEIVES WRITTEN PERMISSION FROM THE EROSION AND SEDIMENT CONTROL INSPECTOR. ALL AREAS DISTURBED BY THIS CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES SHALL BE 9. SEE VESCH STD & SPEC. 3.31 FOR MORE DETAILED SPECIFICATIONS FOR TEMPORARY SEEDING - SEDIMENT BASINS, SEDIMENT TRAPS, PERIMETER DIKES , SEDIMENT BARRIERS, AND OTHER MEASURES MADE IMMEDIATELY. PROCESS SHALL BE PERMANENTLY STABILIZED. INTENDED TO TRAP SEDIMENT SHALL BE CONSTRUCTED AS A FIRST STEP IN ANY LAND DISTURBING ACTIVITY AND SHALL BE MADE FUNCTIONAL BEFORE UPSLOPE LAND DISTURBANCE TAKES PLACE. PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DENUDE AREAS WITHIN SEVEN DAYS AFTER FINAL VESCH PERMANENT SEEDING NOTES 410-821-1748 Fax GRADE IS REACHED ON ANY PORTION OF THE SITE. <u>STABILIZATION OF EARTHEN STRUCTURES</u> - STABILIZATION MEASURES SHALL BE APPLIED TO EARTHEN STRUCTURES SUCH AS DAMS, DIKES AND . PERMANENT SEEDING SHALL BE APPLIED TO DISTURBED AREAS WHERE PERMANENT, LONG LIVED VEGETATIVE COVER IS NEEDED TO STABILIZE THE SOIL AND IN ROUGH GRADED AREAS WHICH ALL CONSTRUCTION VEHICLES SHALL BE INSPECTED AFTER LEAVING THE CONSTRUCTION ENTRANCE AND PRIOR TO ENTERING DIVERSIONS IMMEDIATELY AFTER INSTALLATION. WILL NOT BE BROUGHT TO FINAL GRADE FOR A YEAR OR MORE. PUBLIC ROADS TO ENSURE ALL MUD AND SEDIMENT HAS BEEN REMOVED FROM THE VEHICLE TIRES TO PREVENT TRACKING 2. FERTILIZER SHALL BE APPLIED AS SHOWN IN STD. & SPEC. 3.32 OF THE VESCH PAGE 307. ONTO PUBLIC ROADS, IF THE TIRES OF A CONSTRUCTION VEHICLE ARE NOT ENTIRELY FREE OF MUD AND SEDIMENT AFTER SEDIMENT TRAPS & SEDIMENT BASINS 3. AN EVALUATION SHOULD BE CONDUCTED TO DETERMINE IF LIME IS NECESSARY FOR PERMANENT LEAVING THE CONSTRUCTION ENTRANCE THE TIRES MUST BE CLEANED SO THAT NO MUD OR SEDIMENT REMAINS. - SEDIMENT TRAPS AND BASINS SHALL BE DESIGNED AND CONSTRUCTED BASED UPON THE TOTAL SEEDING. SHOULD LIME BE REQUIRED, LIME SPECIFICATIONS SHALL BE PER VESCH APPENDIX DRAINAGE AREA TO BE SERVED BY THE TRAP OR BASIN AS FOLLOWS: PERMANENT STABILIZATION: ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE STABILIZED WITH PERMANENT SEEDING 3.32-D. IF A SOILS TEST CANNOT BE OBTAINED LIME SPECIFICATIONS SHALL BE 2 TONS/ACRE - ONLY CONTROL DRAINAGE AREA LESS THAN OR THREE ACRES. PULVERIZED AGRICULTURAL GRADE LIMESTONE (90 LBS./1000 SF.) IMMEDIATELY FOLLOWING FINAL GRADING. SEEDING SHALL BE DONE ACCORDING TO STD \$ SPEC 3.32, PERMANENT SEEDING. - MINIMUM STORAGE CAPACITY OF 134 CUBIC YARDS PER ACRE OF DRAINAGE AREA 4. SURFACE ROUGHENING SHALL BE PERFORMED IN ACCORDANCE WITH VESCH STD. \$ SPEC. 3.29. 5. CERTIFIED SEED SHALL BE USED FOR ALL PERMANENT SEEDING WHENEVER POSSIBLE. THE SEED CUT AND FILL SLOPES DESIGN & CONSTRUCTION CUT AND FILL SLOPES SHALL BE DESIGNED AND CONSTRUCTED IN A MANNER THAT WILL MINIMIZE A PRECONSTRUCTION MEETING WITH STAFFORD COUNTY SHALL BE PERFORMED PRIOR TO COMMENCEMENT OF ANY LAND MUST MEET PUBLISHED STATE STANDARDS AND BEAR AN OFFICIAL "CERTIFIED SEED" LABEL (SEE DISTURBANCE. THE PERMIT WILL NOT BE ISSUED UNTIL THE PRECONSTRUCTION MEETING IS HELD. APPENDIX 3.32A OF VESCH) SEED SHALL BE UNIFORMLY APPLIED WITH A BROADCAST SEEDER, EROSION. SLOPES FOUND TO BE ERODING EXCESSIVELY MITHIN ONE YEAR OF PERMANENT DRILL, CULTIPACKER SEEDER OR HYDROSEEDER. SMALL GRAINS SHALL BE PLANTED NO MORE STABILIZATION SHALL BE PROVIDED WITH ADDITIONAL SLOPE STABILIZING MEASURES UNTIL THE 2. CONTACT MISS UTILITY 72 HOURS PRIOR TO THE START OF CONSTRUCTION AT 1-800-257-7777 OR 811. THAN 1.5 INCHES DEEP. SMALL SEEDS, SUCH AS KENTUCKY BLUEGRASS, SHOULD BE PLANTED NO PROBLEM IS CORRECTED. MORE THAN 1/4 INCH DEEP. OTHER GRASSES AND LEGUMES SHOULD BE PLANTED FROM 1/4 INCH 3. INSTALL CONSTRUCTION ENTRANCE. TO 1/2 INCH DEEP. CONCENTRATED RUNOFF DOWN SLOPES, CONCENTRATED RUNOFF SHALL NOT FLOW DOWN CUT OR FILL 6. MULCHING MUST OCCUR IMMEDIATELY UPON COMPLETION OF SEED APPLICATION. SEEDINGS MADE SLOPES UNLESS CONTAINED MITHIN ADEQUATE TEMPORARY OR PERMANENT CHANNEL, FLUME, OR SLOPE 4. INSTALL PERIMETER CONTROLS (SILT FENCE) AS SHOWN ON THE E&S PLAN AND CONTACT THE COUNTY FOR INSPECTION. IN FALL FOR WINTER COVER AND DURING HOT AND DRY SUMMER MONTHS SHALL BE MULCHED DRAIN STRUCTURE. ACCORDING TO "MULCHING", VESCH STD. AND SPEC. 3.35, EXCEPT THAT HYDROMULCHES (FIBER 5. PERFORM CLEARING AND GRADING. MULCH) WILL NOT BE CONSIDERED ADEQUATE. STRAW MULCH SHOULD BE USED DURING THESE PERIODS. WHENEVER WATER SEEPS FROM A SLOPE FACE, ADEQUATE OR OTHER PROTECTION SHALL BE 6. INSTALL GRAVEL WALKWAY, GRAVEL COMPOUND, FENCING, PADS, AND TOWER 7. NEW SEEDINGS SHALL BE SUPPLIED WITH ADEQUATE MOISTURE. WATER APPLICATION RATES SHOULD BE CONTROLLED TO PREVENT EXCESSIVE RUNOFF. 7. PERMANENTLY STABILIZE ALL DISTURBED AREAS IMMEDIATELY FOLLOWING COMPLETION. AREAS NOT TO BE COVERED 8. SEE VESCH STD & SPEC. 3.32 FOR MORE DETAILED SPECIFICATIONS FOR PERMANENT SEEDING IO. STORM WATER INLET PROTECTION ALL STORM WATER SEWER INLETS MADE OPERABLE DURING CONSTRUCTION SHALL BE PROTECTED SO WITH GRAVEL SHALL BE BROUGHT TO FINAL GRADE WITH TOP SOIL, SEEDED AND VEGETATIVELY STABILIZED. THAT SEDIMENT-LADEN WATER CANNOT ENTER THE STORMWATER CONVEYANCE SYSTEM WITHOUT FIRST 8. FOLLOWING STABILIZATION OF ALL DISTURBED AREAS, REMOVE SILT FENCE & CONSTRUCTION ENTRANCE. NO E&S A. TEMPORARY SEEDING SPECIFICATIONS ALL DENUDED AREAS WHICH WILL BE LEFT DORMANT FOR EXTENDED PERIODS OF TIME SHALL BE BEING FILTERED/TREATED TO REMOVE. MEASURES SHALL BE REMOVED WITHOUT THE APPROVAL OF THE COUNTY INSPECTOR. 9. STABILIZE ANY AREAS DISTURBED BY THE THE REMOVAL OF E&S MEASURES. SEEDED WITH FAST GERMINATING TEMPORARY VEGETATION IMMEDIATELY FOLLOWING GRADING. STORM WATER CONVEYANCE PROTECTION PRIOR TO SEEDING, INSTALL NECESSARY CONTROL PRACTICES SUCH AS DIKES, WATERWAYS AND BEFORE NEWLY CONSTRUCTED STORMWATER CONVEYANCE CHANNELS OR PIPES ARE MADE OPERATION, ADEQUATE OUTLET PROTECTION AND ANY REQUIRED TEMPORARY OR PERMANENT CHANNEL LINING SHALL BE INSTALLED IN BOTH THE CONVEYANCE CHANNEL AND THE RECEIVING CHANNEL. ALL MEASURES ARE TO BE INSPECTED DAILY BY THE SITE SUPERINTENDENT. ANY DAMAGED CONTROLS SHALL BE REPAIRED SELECT PLANTS APPROPRIATE TO THE SEASON AND SITE CONDITIONS FROM TABLES 3.31-B AND MATER IN LIVE MATERCOURSE шШ AND/OR REPLACED BY THE CLOSE OF THE DAY. 3.31-C. NOTE THAT TABLE 3.31-B PRESENTS PLANTS WHICH CAN BE USED WITHOUT EXTENSIVE WHEN WORK IN A LIVE WATERSOURCE IS PERFORMED: EVALUATION OF SITE CONDITIONS: TABLE 3.31-C PRESENTS MORE IN-DEPTH INFORMATION ON THE - PRECAUTIONS SHALL BE TAKEN TO MINIMIZE ENCROACHMENT, CONTROL SEDIMENT TRANSPORT, AND SILT FENCE SHALL BE CHECKED REGULARLY FOR UNDERMINING OR DETERIORATION OF THE FABRIC. SEDIMENT SHALL BE PLANT MATERIALS. STABILIZE THE WORK AREA TO THE GREATEST EXTENT POSSIBLE DURING CONSTRUCTION. REMOVED WHEN THE LEVEL OF SEDIMENT DEPOSITION REACHES HALF WAY TO THE TOP OF THE BARRIER. - NONERODIBLE MATERIAL SHALL BE USED FOR THE CONSTRUCTION OF CAUSEWAYS AND 2. THE CONSTRUCTION ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. TO CONTROL EROSION ON BASE SOIL SURFACES. PLANTS MUST BE ABLE TO GERMINATE AND - EARTHEN FILL MAY BE USED FOR THESE STRUCTURES IF ARMORED BY NONERODIBLE COVER GROW. SEED BED PREPARATION IS ESSENTIAL. SEEDS SHALL BE EVENLY APPLIED AND SMALL MATERIALS. GRAINS SHALL BE PLANTED NO MORE THAN I 1/2 INCHES DEEP. A. STAFFORD COUNTY SHALL BE NOTIFIED 48 HOURS PRIOR TO START OF CONSTRUCTION WHEN WORK IN A LIVE WATERSOUCE MUST BE CROSSED BY CONSTRUCTION VEHICLES MORE THAN TWICE AN ELEVATION SHOULD BE CONDUCTED TO DETERMINE IF LIME IS NECESSARY FOR TEMPORARY IN ANY SIX MONTH PERIOD. A TEMPORARY VEHICULAR STREAM CROSSING CONSTRUCTED OF B. A COPY OF THE APPROVED DEVELOPMENT PLAN AND EROSION AND SEDIMENT CONTROL PLAN SHALL BE KEPT IN GOOD SEEDING. IN MOST SOILS, IT TAKES UP TO 6 MONTHS FOR PH ADJUSTMENT TO OCCUR NONERODIBLE MATERIAL SHALL BE PROVIDED. CONDITION ON THE SITE WITH THE BUILDING PERMIT DURING GRADING OPERATIONS FOLLOWING THE APPLICATION OF LIME. THEREFORE, IT MAY BE DIFFICULT TO JUSTIFY THE COST OF LIVING A TEMPORARY SITE, ESPECIALLY WHEN THE SOIL WILL LATER BE MOVED AND REGULATION OF WATERCOURSE CROSSING ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS PERTAINING TO WORKING IN OR C. IN THE EVENT SUCH MAXIMUM PERIOD IS EXCEEDED AND ANY SUCH AREAS REMAIN EXPOSED WITHOUT COVER OR REGRADED. THE FOLLOWING TABLE MAY BE USED TO DETERMINE THE ACTUAL NEED ALONG SURFACE, THE DIRECTOR OF PUBLIC WORKS AND CAPITAL PROJECTS MAY (IN THE EVENT THAT THE DEVELOPER FAILS WITH SUGGESTED APPLICATION RATES. CROSSING LIVE WATERCOURSES SHALL BE MET. TO DO SO) INSTALL SUCH STABILIZING MEASURES NECESSARY TO ACHIEVE EROSION AND SEDIMENT CONTROL EQUAL TO THAT WHICH WOULD HAVE BEEN FURNISHED BY THE PERMANENT COVER SHOWN ON THE APPROVED PLANS. THE COST OF STABILIZATION OF WATERCOURSE THE BED AND BACKS OF A WATERCOURSE SHALL BE STABILIZED ANY SUCH TEMPORARY MEASURES TAKEN BY THE DIRECTOR OF PUBLIC WORKS AND CAPITAL PROJECTS SHALL BE IMMEDIATELY AFTER WORK IN THE WATERCOURSE IS COMPLETED. BORNE BY THE DEVELOPER. SHALL BE APPLIED AS 600 LBS./ACRE OF 10-20-10 (14 LBS./1000 SQ. FT.) OR EQUIVALENT 16. <u>UNDERGROUND AND UTILITY LINE INSTALLATION</u> UNDERGROUND UTILITY LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING STANDARD IN NUTRIENTS. LINE AND FERTILIZER SHALL BE INCORPORATED INTO THE TOP 2 TO 4 INCHES OF THE SOIL IF POSSIBLE ADDITION TO OTHER APPLICABLE CRITERIA: - NO MORE THAN 500 LINEAR FEET OF TRENCH MAY BE OPENED AT ONE TIME - EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF TRENCHES SEEDING MADE IN FALL FOR WINTER COVER AND DURING HOT AND DRY SUMMER MONTHS SHALL - EFFLUENT FROM DEWATERING OPERATIONS SHALL BE FILTERED OR PASSED THROUGH AN APPROVED BE MULCHED ACCORDING TO MULCHING, STD. AND SPEC. 3.35 EXCEPT THAT HYDROMULCHES SEDIMENT TRAPPING DEVICE, OR BOTH, AND DISCARDED IN A MANNER THAT DOES NOT ADVERSELY (FIBER MULCH) WILL NOT BE CONSIDERED ADEQUATE. STRAM MULCH SHOULD BE USED DURING AFFECT FLOWING STREAMS OR OFF-SITE PROPERLY. - MATERIAL USED FOR BACKFILLING TRENCHES SHALL BE PROPERLY COMPACTED IN ORDER TO REVISIONS: MINIMIZE EROSION AND PROMOTE STABILIZATION 2. TEMPORARY SEEDING MADE UNDER FAVORABLE SOIL AND SITE CONDITIONS DURING OPTIMUM DESCRIPTION - RESTABILIZATION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE REGULATIONS SPRING AND FALL SEEDING DATES MAY REQUIRE MULCH. - COMPLY WITH APPLICABLE SAFETY REGULATIONS VEHICULAR SEDIMENT TRACKING, WHERE CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED OR PUBLIC ROAD: B. PERMANENT SEEDING SPECIFICATIONS - PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT BY VEHICULAR TRACKING PRIOR TO SEEDING, INSTALL NECESSARY CONTROL PRACTICES SUCH AS DIKES, WATERWAYS AND ONTO THE PAVED SURFACES - WHERE SEDIMENT IS TRANSPORTED INTO A PAVED OR PUBLIC ROAD SURFACE, THE ROAD SURFACE SHALL BE CLEANED THOROUGHLY AT THE END OF EACH DAY - SEDIMENT SHALL BE REMOVED FROM THE ROADS BY SHOVELING OR SMEEPING AND TRANSPORTED SELECTION OF PLANT MATERIALS IS BASED ON CLIMATE, TOPOGRAPHY, SOILS, LAND USE, AND TO A SEDIMENT CONTROL DISPOSAL AREA. STREET WASHING SHALL BE ALLOWED ONLY AFTER PLANTING SEASON. TO DETERMINE WHICH PLANT MATERIALS ARE BEST ADAPTED TO A SPECIFIC SEDIMENT IS REMOVED IN THIS MANNER. SITE. USE TABLES 3.32-A AND 3.32-B WHICH DESCRIBE PLANT CHARACTERISTICS AND LIST REMOVAL OF TEMPORARY MEASURES RECOMMENDED VARIETIES. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS 2. APPROPRIATE SEEDING MIXTURES FOR VARIOUS SITE CONDITIONS IN VIRGINIA ARE GIVEN IN AFTER FINAL SITE STABILIZATION OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED, DESIGNED BY: TABLES 3.32-C, 3.32-D AND 3.32-E. THESE MIXTURES ARE DESIGNED FOR GENERAL USE, AND UNLESS OTHERWISE AUTHORIZED BY THE PROGRAM AUTHORITY. TRAPPED SEDIMENT AND THE ARE KNOWN TO PERFORM WELL IN THE SITES DESCRIBED. CHECK TABLES 3.32-A AND 3.32-B DISTURBED SOIL AREAS RESULTING FROM THE DISPOSITION OF TEMPORARY MEASURES SHALL BE DRAWN BY: FOR RECOMMENDED VARIETIES PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION AND SEDIMENTATION. 3. A MORE EXTENSIVE DESCRIPTION OF PLANT MATERIALS (GRASSES AND LEGUMES), THEIR USAGE PROJECT NO: STORMWATER MANAGEMENT, PROPERTIES AND WATERWAYS DOWNSTREAM FROM DEVELOPMENT SITES AND PICTORIAL REPRESENTATION CAN BE FOUND IN APPENDIX 3.32-C. SHALL BE PROTECTED FROM SEDIMENT DEPOSITION, EROSION, AND DAMAGE DUE TO INCREASES IN VOLUME, VELOCITY, AND PEAK FLOW RATE OF STORMWATER RUNOFF FOR THE STATE FREQUENCY STORM OR 24-HOUR DURATION IN ACCORDANCE WITH THE FOLLOWING STANDARDS AND CRITERIA: 4. WHEN USING SOME VARIETIES OF TURFGRASSES, THE VIRGINIA CROP IMPROVEMENT ASSOCIATION (VCIA) RECOMMENDED TURFGRASS MIXTURES MAY ALSO SO USED. CONSUMER PROTECTION PROGRAMS HAVE BEEN DEVISED TO IDENTIFY QUALIFY SEED OF THE VARIETIES RECOMMENDED BY THE VIRGINIA COOPERATIVE EXTENSION SERVICE. THESE WILL BEAR A LABEL INDICATING THAT THEY ARE APPROVED BY THE ASSOCIATION. MIXTURES MAY BE DESIGNED FOR A SPECIFIC PHYSIOGRAPHIC REGION OR BASED ON INTENDED USE. SPECIAL CONSIDERATION IS GIVEN TO PLANT CHARACTERISTICS, PERFORMANCE, ETC. 5. THE PLANTING SOIL MUST HAVE ENOUGH FINE GRAINED SOIL, SUFFICIENT PORE SPACE, SUFFICIENT DEPTH AND FREE FROM TOXIC OR EXCESSIVE QUANTITIES OF ROOTS AND SHALL BE APPLIED IN ACCORDANCE WITH STD. 3.30. SHEET:

Milestone

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DATE

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PROTECT YOURSELF, GIVE THREE WORKING DAYS NOTICE THIS DRAWING DOES NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. ALL CONSTRUCTION MUST BE DONE IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AND ALL RULES AND REGULATIONS THERE TO APPURTENANT.

**Erosion & Sediment Control Narrative** 

